

## 4<sup>TH</sup> GRADE MATH EXIT EXPECTATIONS BOXES

<p style="text-align: center;"><u>NUMBER OPERATIONS AND RELATIONSHIPS</u></p> <ul style="list-style-type: none"> <li>▪ Identify place value to millions</li> <li>▪ Identify decimals to tenths</li> <li>▪ Read and represent whole numbers in expanded form</li> <li>▪ Identify negative numbers</li> <li>▪ Use arrays to solve problems</li> <li>▪ Identify factors and multiples of numbers</li> <li>▪ Understand multiples of 10, 100, 1000</li> <li>▪ Use appropriate dollar and cent notation</li> <li>▪ Compare whole numbers and fractions with like denominators using the appropriate symbols (&lt;, &gt;, =)</li> <li>▪ Master addition and subtraction facts</li> <li>▪ Compute addition and subtraction problems using fractions with the same denominator</li> <li>▪ Find patterns in multiplication and division tables</li> <li>▪ Multiply one-digit numbers by two-, three- and four-digit numbers</li> <li>▪ Estimate products</li> <li>▪ Round to the nearest thousandth</li> <li>▪ Use mental math to multiply by 10</li> </ul>	<p style="text-align: center;"><u>PROBABILITY AND STATISTICS</u></p> <ul style="list-style-type: none"> <li>▪ Interpret circle, bar, and line graphs</li> <li>▪ Create a table to represent data</li> <li>▪ Predict and list possible outcomes</li> <li>▪ Find mean, median, range, and mode</li> <li>▪ Use simple models to conduct probability experiments</li> </ul>	<p style="text-align: center;"><u>GEOMETRY</u></p> <ul style="list-style-type: none"> <li>▪ Describe and represent 2-dimensional figures (polygons and circles)</li> <li>▪ Identify obtuse, acute, right, and straight angles</li> <li>▪ Identify and draw: point, line segment, ray, perpendicular lines, and parallel lines</li> <li>▪ Identify cubes and square pyramid shapes from their nets (flat patterns)</li> <li>▪ Calculate perimeter of plane figures</li> </ul>
	<p style="text-align: center;"><u>MEASUREMENT</u></p> <ul style="list-style-type: none"> <li>▪ Estimate and compare mass and volume (metric and customary units) accurately</li> <li>▪ Estimate and compare length (metric and customary units)</li> <li>▪ Measure length accurately to the nearest quarter inch and mm</li> <li>▪ Measure area by counting square representations</li> <li>▪ Use conversion to solve simple problems within a system of measurement</li> <li>▪ Solve simple problems using time</li> <li>▪ Count, compare, and make change up to ten dollars</li> </ul>	<p style="text-align: center;"><u>ALGEBRAIC RELATIONSHIPS</u></p> <ul style="list-style-type: none"> <li>▪ Apply number patterns to a variety of “real world” situations</li> <li>▪ Use tables to solve problems</li> <li>▪ Solve problems involving an unknown using manipulatives</li> <li>▪ Substitute number values for letters to find a sum, difference, or product</li> </ul>